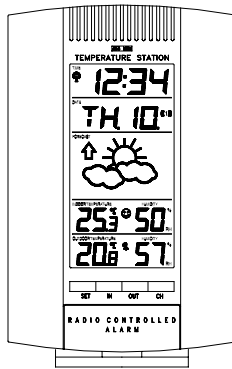


**WS-7078UF**  
**Wireless 433 MHz**  
**Radio-controlled Weather Station**

**Instruction Manual**



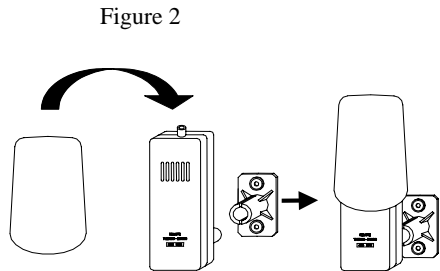
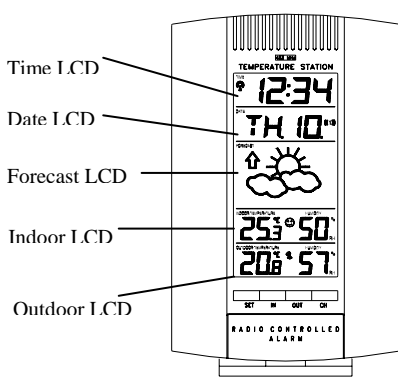
**LA CROSSE** *tools and technology*  
**TECHNOLOGY** *for home and office*

## TABLE OF CONTENTS

<b>Topic</b>	<b>Page</b>
Inventory of Contents/Additional Equipment	3
About WWVB	4
Quick Set-Up Guide	5
<b>Detailed Set-Up Guide</b>	
Battery Installation	6
<i>Program Mode</i>	
Function Keys	7
12/24 hour Time Setting	8
Time Zone Setting	8-9
Daylight Saving Time Setting	9
Time Setting (WWVB & Manual)	10-11
Setting Day, Date, and Year	11-12
Selecting °F or °C	12
Setting the LCD Contrast	12
<b>Features</b>	
Weather Forecast Icons	13-14
Indoor Temperature, Humidity, & Comfort Level Indicator	15
Outdoor Temperature & Humidity	15
Minimum & Maximum Records (Indoor, Outdoor, & Resetting)	15-16
Alarm (Setting, Snoozing, & Stopping)	17-18
Additional Remote Thermo/hygro Sensors (Set-Up, Viewing, & Operation)	18-19
Mounting	20-21
Troubleshooting	22
Maintenance & Care	23
Specifications	24
Warranty Information	25-26

## INVENTORY OF CONTENTS

1. The indoor weather station (Figure 1).
2. One TX4U remote thermo/hygro sensor with mounting bracket (Figure 2).
3. Three each, ½” Philips screws.
4. One strip double-sided adhesive tape.
5. Instruction manual and warranty card.



## ADDITIONAL EQUIPMENT (not included)

1. Four, fresh AA 1.5V batteries.
3. One, Philips screwdriver.
4. One, Flat screwdriver.

## **ABOUT WWVB (Radio Controlled Time)**

The NIST (National Institute of Standards and Technology—Time and Frequency Division) WWVB radio station is located in Ft. Collins, Colorado, and transmits the exact time signal continuously throughout the United States at 60 kHz. The signal can be received up to 2,000 miles away through the internal antenna in the weather station. However, due to the nature of the Earth's Ionosphere, reception is very limited during daylight hours. The weather station will search for a signal every night when reception is best. The WWVB radio station derives its signal from the NIST Atomic clock in Boulder, Colorado. A team of atomic physicists is continually measuring every second, of every day, to an accuracy of ten billionths of a second per day. These physicists have created an international standard, measuring a second as 9,192,631,770 vibrations of a Cesium-133 atom in a vacuum. For more information about WWVB please see the NIST website at <http://www.boulder.nist.gov/timefreq/stations/wwvb.htm>

## QUICK SET-UP GUIDE

**Hint: Use good quality Alkaline Batteries and avoid rechargeable batteries.**

1. Have the indoor weather station and remote thermo/hygro sensor 3 to 5 feet apart.
2. Batteries should be out of both units for 10 minutes.
3. Place the batteries into the **remote thermo/hygro sensor** first then into the indoor weather station.  
(All remote thermo/hygro sensors must be started before the indoor weather station)
4. **DO NOT PRESS ANY BUTTONS FOR 10 MINUTES.**

In this time the indoor weather station and remote thermo/hygro sensor will start to talk to each other and the indoor weather station will show both the indoor temperature and humidity and the outdoor temperature and humidity. If the indoor weather station does not display all values after the 10 minutes please retry the set up as stated above. After all values are displayed for 10 minutes you can place your remote thermo/hygro sensor outdoors and set your time.

The remote thermo/hygro sensor should be placed in a dry, shaded area. The remote thermo/hygro sensor has a range of 80 feet. Any walls that the signal will have to pass through will reduce distance. An outdoor wall or window will have 20 to 30 feet of resistance and an interior wall will have 10 to 20 feet of resistance. Your distance plus resistance should not exceed 80 ft. in a straight line.

**NOTE:** Fog and mist will not harm your remote thermo/hygro sensor but direct rain must be avoided.

To complete the set up of your indoor weather station after the 10 minutes have passed please follow the steps in the Detailed Set Up Guide

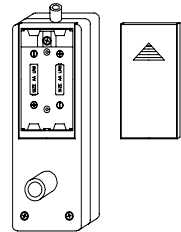
***Note:*** *The Thermo Hygro Sensor transmits a signal every 3 minutes; after the batteries have been installed, the Weather Station will search for the signal for a duration of 5 minutes. If there is no temperature reading in the OUTDOOR LCD after 5 minutes, make sure the units are within range of each other, or repeat the battery installation procedure.*

## DETAILED SET-UP GUIDE

### BATTERY INSTALLATION

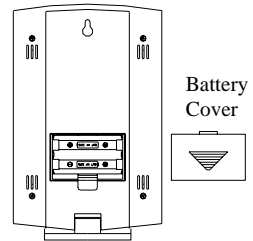
#### A. Remote Thermo/hygro Sensor

1. Pull the cylindrical rain cover off the remote thermo/hygro sensor.
2. Remove the battery cover (located on the backside of the remote thermo/hygro sensor, above the mounting post and bracket).
3. Press the arrow and slide the battery cover off.
4. Observing the correct polarity install 2 AA batteries.
5. Replace battery cover, and place rain cover snugly onto the remote thermo/hygro sensor.



#### B. Indoor Weather Station

1. Remove the battery cover. To do this, insert a solid object in the space provided at the lower-central position of the battery cover, then push up and pull out on the battery cover.
2. Observe the correct polarity, and install 2 AA batteries.
3. Replace the battery cover.



***Note:*** Immediately after the batteries have been installed, each LCD (Liquid Crystal Display) will flash, and a tone will sound. Within a few seconds the indoor temperature, indoor relative humidity, and the weather icons (sun and clouds) will be displayed. If these items are not displayed remove the batteries for 10 seconds and reinstall. If the outdoor temperature is not displayed within four minutes, remove the batteries from both units, wait 10 seconds, and reinstall. The time will show --:-- and start searching for the signal. If it successfully receives the time signal (reception is achieved easiest at night), it will display the correct time (factory setting is Eastern time zone).

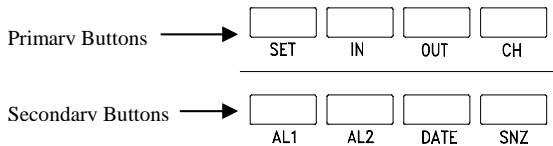
## PROGRAM MODE

**Programming Note:** If 30 seconds is allowed to pass, or either the “IN” or the “OUT” buttons are pressed during programming modes the unit will confirm/set the last information entered—the display will stop flashing and return to normal time-date readings. If you don’t leave the program sequence during the programming of sections “A” through “G”, you can advance to step 4 of the next program section. If you do leave the program sequence (or want to program a specific setting) follow each instructional step to program that setting. The programming sequence is as follows:

- 12 or 24 Hour Time Setting
- Time Zone Setting
- Daylight Saving Time(DST) Setting
- Time Setting
- Day, Date and Year Setting
- °F or °C Setting
- LCD Contrast Setting

## FUNCTION KEYS

The Secondary Buttons are located directly below the Primary Buttons, and behind the *La Crosse Technology* shield on the face of the unit. To access the Secondary Buttons: place a solid object in the slot (above the shield) and gently pull out and down.



## A. 12 or 24 Hour Time Setting

1. Press and hold the “*SET*” button for 3 seconds or until “12h” or “24h” flashes in the DATE LCD.
2. Press and release the “*CH*” button to toggle between 12 and 24-hour time.
3. Press and release the “*SET*” button to confirm the 12/24-hour time setting and to advance to Time Zone Setting.

## B. Time Zone Setting

The default time zone is EST, “-5hr” (Eastern Standard Time), to change this setting:

1. Press and hold the “*SET*” button for 3 seconds or until “12h” or “24h” flashes in the DATE LCD.
2. Press and release the “*SET*” button 1 time to enter the Time Zone setting mode.
3. The default Time Zone “-5” will flash in the DATE LCD.
4. Press and release the “*CH*” button to select your appropriate time zone. During selection of the Time Zone, the 3 letter abbreviations for the time zones found in North America will flash across the top of the TIME LCD. Observe the chart below showing the corresponding abbreviations, time zones, and codes.

TIME ZONES

	GMT	0
	Atlantic	-4
EST	Eastern	-5
CST	Central	-6
MST	Mountain	-7
PST	Pacific	-8
ALA	Alaska	-9
HAW	Hawaii	-10



**Note:** *There are more time zones represented by numbers than there are represented by 3 letter abbreviations. If you live in North America you need only be concerned with the ones in the chart above.*

5. Press and release the “*SET*” button to confirm your selection and advance to the Daylight Saving Time setting.

### **C. Daylight Saving Time(DST) Setting**

1. Press and hold the “*SET*” button for 3 seconds or until “12h” or “24h” flashes in the DATE LCD.
2. Press and release the “*SET*” button 2 times to reach the DST selection mode.
3. “DST 1” is the default (factory) setting and will be flashing in the DATE LCD.
4. Press and release the “*CH*” button to select “DST 0” or “DST 1.”

“DST 0” indicates that the feature is off and the indoor weather station will not change times at the daylight saving time changes automatically. “DST 1” indicates that the feature is on and the indoor weather station will change times at the daylight saving time changes automatically.

**Note:** *Some locations (Arizona and parts of Indiana) do not follow Daylight Saving Time, and should select “DST 0.”*

5. Press and release the “*SET*” button to confirm your selection and advance to the Time setting mode.

## D. Time

There are two methods by which the time can be set:

1. Automatically via WWVB reception, or
2. Manually.

### 1. WWVB (Remote Control Time)

This method requires you to do nothing, except wait for the signal to be received and to select a time zone. Reception usually takes approximately 6-10 minutes during optimal conditions. The best conditions for reception is at night, between midnight and 6:00 am—when there is less atmospheric interference. To keep your time as accurate as possible, the indoor weather station conducts a WWVB search every night between these hours and overrides any manually set time. The WWVB tower icon (appearing in the TIME LCD) will flash when a signal-search is in progress, will remain steady when the signal has been received, and nothing will be displayed in all other situations. If the WWVB time has not been received 10 minutes after battery installation you may manually set the time or wait for WWVB reception. Once the WWVB time signal is received it will override the manually set time.

### 2. Manual Time Setting

- a. Press and hold the “*SET*” button for 3 seconds or until “12h” or “24h” flashes in the DATE LCD.
- b. Press and release the “*SET*” button 3 times.
- c. The hour digit will be flashing in the TIME LCD.
- d. Press and release the “*CH*” button to change the hour – increasing the hours by increments of 1 with each press of the “*CH*” button.
- e. Press and release the “*SET*” button to confirm the hour setting and to advance to the minute setting mode.
- f. The minute digits should be flashing. Press and release the “*CH*” button to change the minutes—

increasing the minutes by increments of 1 with each press of the “CH” button.

- g. Press and release the “SET” button to confirm the minutes and to advance to the Day, Date, and Year setting mode.

**Note:** *In 12h mode, “PM” will appear to the left of the time during PM hours. If the time is not within the PM hours, nothing will be displayed. Be sure to set the time to the correct AM/PM time to ensure automatic reception at optimal times.*

## **E. Setting the Day, Date, and Year**

**Note:** “MO” (representing Monday) is the default (factory) setting for the weekday, “1.1” is the default (factory) setting for the numeric month and day, and “1999” is the default (factory) setting for the year. The day, date, and year will be automatically set once the WWVB signal is received. However, the day, date, and year can be manually set and will flash respectively in the DATE LCD during manual programming.

1. Press and hold the “SET” button for 3 seconds, or until “12h” or “24h” flashes in the DATE LCD.
2. Press and release the “SET” button 5 more times to reach the Weekday setting mode.
3. The weekday will be flashing in the DATE LCD.
4. Press and release the “CH” button to select the current weekday.
5. Press and release the “SET” button to confirm and to enter the numeric-month setting mode.
6. The numeric-month will be flashing in the DATE LCD.
7. Press and release the “CH” button to select the current month.
8. Press and release the “SET” button to confirm the numeric-month, and to enter the numeric-day setting mode.
9. The numeric-day will be flashing.
10. Press and release the “CH” button to select the current day.
11. Press and release the “SET” button to confirm and to enter the year setting mode.

12. The default-year will be flashing.
13. Press and release the “CH” button to set the current year.
14. Press and release the “SET” button to confirm and to advance to the °F or °C setting mode.

#### **F. Selecting °F or °C**

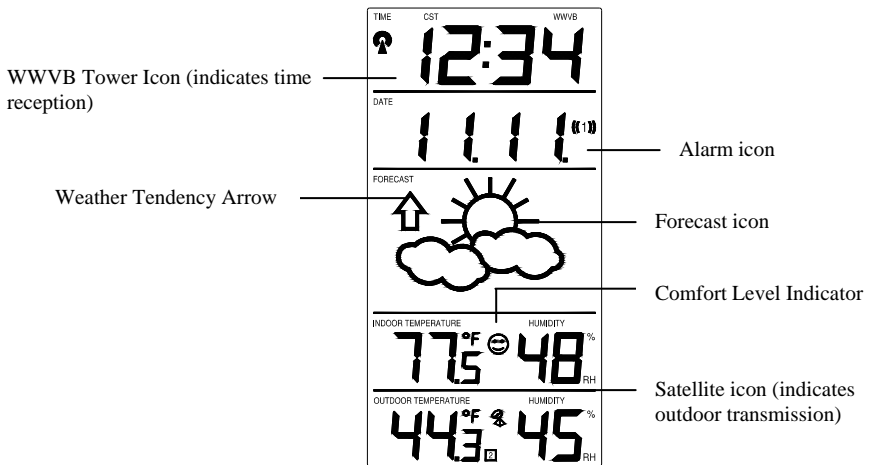
1. Press and hold the “SET” button for 3 seconds, or until “12h” or “24h” flashes in the DATE LCD.
2. Press and release the “SET” button 9 times to reach the °F or °C setting mode.
3. “°F” is the default (factory) setting and should be flashing in the DATE LCD.
4. Press and release the “CH” button to toggle between °F and °C.
5. Press and release the “SET” button to confirm your selection and to advance to the LCD contrast setting.

#### **G. Setting the LCD Contrast**

**Note:** There are 8 LCD contrast levels to choose from, “Lcd 0” is the lightest and “Lcd 7” is the darkest.

1. Press and hold the “SET” button for 3 seconds or until “12h” or “24h” flashes in the DATE LCD.
2. Press and release the “SET” button 10 times to reach the LCD contrast setting mode.
3. The default (factory) setting “Lcd 5” will flash in the DATE LCD.
4. Press and release the “CH” button to select the desired setting.
5. Press either the “IN” or “OUT” buttons to confirm all the settings and to exit the manual-programming mode (or wait 15 seconds for the indoor weather station to automatically return to the normal display mode).

## **FEATURES OF THE WS-7078U**

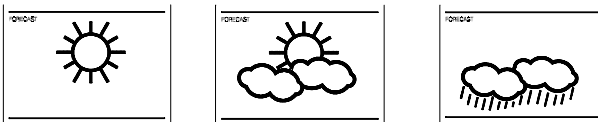


## I. Weather Forecast

The weather forecasting feature is estimated to be 75% accurate. The weather forecast is based solely upon the change of air pressure over time. The WS-7078UF averages past air-pressure readings to provide an accurate forecast, creating a necessity to disregard all weather forecasting for 12-24 hours after the unit has been set-up, reset, or moved from one altitude to another (i.e. from one floor of a building to another floor). In areas where the weather is not affected by the change of air pressure, this feature will be less accurate.

### A. Weather Icons

There are 3 possible weather icons that will be displayed in the FORECAST LCD:



*Sunny*—indicates that the weather is expected to improve (not that the weather will be sunny).

*Sun with Clouds*—indicates that the weather is expected to be fair (not that the weather will be sunny with clouds).

*Clouds with Rain*—indicates that the weather is expected to get worse (not that the weather will be rainy).

The weather icons change when the unit detects a change in air pressure. The icons change in order, from “sunny” to “partly sunny” to “cloudy” or the reverse. It will not change from “sunny” directly to “rainy”, although it is possible for the change to occur quickly. If the symbols do not change then the weather has not changed, or the change has been slow and gradual.

### **B. Weather Tendency Arrows**

Other possible displays in the FORECAST LCD are 2 weather tendency arrows, one that points up (on the left side of the LCD) and one that points down (on the right side of the LCD). These arrows reflect current changes in the air pressure. An arrow pointing up indicates that the air pressure is increasing and the weather is expected to improve or remain good. An arrow pointing down indicates that the air pressure is decreasing and the weather is expected to become worse or remain poor. No arrow means the pressure is stable.

## **II. Indoor Temperature, Humidity, and Comfort Level Indicator**

The current indoor temperature (viewed on the left) and relative humidity (viewed on the right) are displayed in the INDOOR LCD. The comfort level indicator is located at the center of the INDOOR LCD. The comfort level indicator will display a happy face icon when the temperature is between 68°F and 79°F (20°C and 25.9°C), and the humidity is between 45% and 64%. A sad face icon will be displayed when the temperature and humidity are outside the mentioned ranges.

### **III. Outdoor Temperature and Humidity**

The outdoor temperature and humidity is viewed in the OUTDOOR LCD. When there is more than one remote thermo/hygro sensor unit in operation a “boxed” number will appear to the right of the temperature. This indicates which remote thermo/hygro sensor unit (1, 2, or 3) is currently displaying its data in the OUTDOOR LCD. (This feature is explained in further detail in section VI—*Adding Remote Thermo/hygro Sensors*).

### **IV. Minimum and Maximum Temperature Records**

The WS-7078UF keeps a record of the MINIMUM and MAXIMUM temperature and the time and date of their occurrence, for both the indoor and outdoor modes.

#### **A. Viewing the Indoor Temperature Records**

**Note:** Waiting 20 seconds during either the minimum or the maximum readings will automatically return the indoor weather station to the current temperature and humidity readings

1. Press and release the “IN” button once.
2. “MIN” will appear in the upper-center location of the flashing INDOOR LCD indicating that the minimum temperature (along with the humidity measured at that time) and the time and date of occurrence are displayed. The minimum records will display for 20 seconds.
3. Press and release the “IN” button again (once while “MIN” is still displayed, twice otherwise).
4. “MAX” will appear in the upper-center location of the flashing INDOOR LCD, indicating that the maximum

temperature (along with the humidity measured at that time) and the time and date of occurrence are displayed. The maximum records will display for 20 seconds.

5. While “MAX” is still displayed press and release the “IN” button again to return to the current data display. .

## **B. Viewing the Outdoor Temperature Records**

**Note:** Waiting 20 seconds during either the minimum or the maximum readings will automatically return the indoor weather station to the current temperature and humidity readings.

1. Press and release the “OUT” button once.
2. “MIN” appears in the upper-center location of the flashing OUTDOOR LCD, indicating that the minimum temperature, and the time and date of occurrence are displayed. The minimum records will display for 20 seconds.
3. Press and release the “OUT” button again (once while “MIN” is still displayed, twice otherwise).
4. “MAX” appears in the upper-center location of the flashing OUTDOOR LCD indicating that the maximum temperature and the time and date of occurrence are displayed.
5. While “MAX” is still displayed press and release the “OUT” button again to return to the current data display.

## **C. Resetting the Minimum and Maximum Records**

1. All the indoor records (minimum and maximum) will be reset after the “IN” button is pressed and held for 5 seconds.
2. All the outdoor records (minimum and maximum) will be reset after the “OUT” button is pressed and held for 5 seconds.

## **V. Alarm Function**



## A. Setting the Alarm (Alarms 1 and 2)

**Note:** There are two alarms that can be set. Each alarm will sound for a complete duration of 2 minutes.

1. Press and hold the “*ALI*” button for 5 seconds or until the alarm-time display flashes in the DATE LCD.
2. Press and release the “*IN*” button to set the alarm hours.
3. Press and release the “*OUT*” button to set the alarm minutes.
4. Press and release the “*ALI*” button or wait 15 seconds for the unit to automatically confirm the alarm time and return to display the date in the DATE LCD as normal.
5. The ((1)) icon, appearing in the DATE LCD, indicates that the alarm is set to sound at the programmed time.

**Note:** Programming the alarm time automatically activates the alarm to sound at the programmed time.

6. To deactivate the alarm, press and release the “*ALI*” button (removing the ((1)) icon from the screen).
7. To reactivate the alarm press and release the “*ALI*” button.
8. After each activation or deactivation the programmed alarm time is displayed. Wait 15 seconds and the date will display in the DATE LCD again.
9. To set, activate, and deactivate alarm 2, follow the directions above for alarm 1—using the “*AL2*” button in place of the “*ALI*” button. The ((2)) icon will represent activation and deactivation of Alarm 2.

## B. Snoozing and Stopping the Alarm

1. The snooze function is activated by pressing any one of the following buttons: “SET”, “IN”, “OUT” or “SNZ”.
2. To turn the alarm off completely, press any of the following buttons: “CH”, “ALI”, “AL2” or “DATE”.
3. The snooze function will last for 5 minutes before the alarm begins to sound again. Either the ((1)) or the ((2)) icon will flash during the snooze mode.

## **VI. Adding Remote Thermo/hygro Sensors (OPTIONAL)**

The WS-7078UF is able to receive signals from as many as 3 different remote thermo/hygro sensors. The remote sensor model(s) that you choose will come with their own set of instructions, follow these instructions for a complete guide to setting up. Following are some brief instructions for the basic set-up of remote sensor units with the WS-7078U. These extra remote sensors can be purchased through the same dealer as this indoor weather station or by contacting La Crosse Technology directly. A TX4U will monitor temperature and humidity, a TX3U will monitor temperature only, and the TX3UP will monitor water or soil temperature via a probe.

***Note:** When setting up multiple remote sensors it is important to remove the batteries from all existing units in operation, then to insert batteries first into all the remote sensors. Second install batteries into the indoor weather station. Transmission problems will arise if this is not done correctly and if the total time for set-up exceeds 6 minutes.*

### **A. Set-up of Multiple Units**

1. It is necessary to remove the batteries from all units currently in operation.
2. Remove the battery covers to all remote sensors.
3. Place all remote sensors in a numeric sequential order.
4. In sequential order, install batteries following the same battery installation procedures seen in Detailed Set-Up Guide section of this manual.
5. Install batteries into the indoor weather station.
6. Follow the Detailed Set-Up Guide for programming and operating instructions.

## **B. Viewing and Operating with Multiple Thermo/hygro Sensors**

1. To view the temperature of a different remote thermo/hygro sensor press and release the “*CH*” button. A shift from one “boxed” number to the next should be observed in the OUTDOOR LCD.
2. To view the Minimum/Maximum temperature of a different remote thermo/hygro sensor, first select which remote thermo/hygro sensor to read data from (indicated by the “boxed” number), then press and release the “*OUT*” button.
3. Pressing and releasing the “*OUT*” button once will display the minimum temperature and the date and time the data was recorded. Pressing and releasing the “*OUT*” button a second time (while “*MIN*” is still displayed, otherwise press the button twice) will display the maximum temperature and the date and time the data was recorded.
4. To reset the Minimum/Maximum readings it is necessary to select which remote sensor you wish to reset. Press and hold the “*OUT*” button for 5 seconds and the records for the selected remote thermo/hygro sensor will be reset.

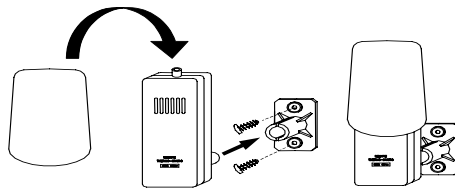
## **MOUNTING**

**Note:** Before permanently mounting ensure that the indoor weather station is able to receive WWVB signals from the desired location. Also, extreme and sudden changes in temperature will decrease the accuracy of the indoor weather station. Changes in elevation will result with inaccurate weather forecasting for the next 12 to 24 hours. These changes will require a 12 to 24 hour wait before obtaining reliable data. To achieve a true temperature reading, avoid mounting where direct sunlight can reach the remote thermo/hygro sensor. We recommend that you mount the remote thermo/hygro sensor on a North-facing wall. The transmitting range of the remote thermo/hygro sensor is 80ft. Obstacles such as walls, concrete, and large metal objects can reduce the range. Place both units in their desired location and wait approximately 10 minutes before permanently mounting to ensure that there is proper reception. The indoor weather station should display a temperature in the OUTDOOR LCD within 4 minutes of setting up.

## I. Remote Thermo/hygro Sensor

### A. Mounting With Screws

1. Remove the mounting bracket/receptor from the packaging.
2. Place the mounting bracket over the desired mounting surface.
3. Through the 2 screw holes of the bracket mark the mounting surface with a pencil.
4. Where marked, start the screw holes using the provided screws.
5. Remove screws from the mounting surface.
6. Align the mounting bracket with the started screw holes.



7. Screw mounting bracket onto the mounting surface. The screws should be flush with the bracket.

8. Fit the mounting post (on the back of the remote thermo/hygro sensor) into the receptor of the mounting bracket.

## **B. Mounting With Adhesive Tape**

1. With a nonabrasive solution, clean and dry the back of the mounting bracket and the mounting surface to ensure a secure hold. The mounting surface should be smooth and flat.
2. Remove the protective strip from one side of the tape. Press firmly onto the designated area on the back of the mounting bracket.
3. Remove the protective strip from the other side of the tape, and situate the mounting bracket. Firmly press the mounting bracket onto the mounting surface.
4. Fit the mounting post into the receptor of the mounting bracket.

## **II. The Indoor Weather Station**

**A.** The indoor weather station can be mounted in two ways:

- with the table stand or,
- on the wall with the use of a wall hanging screw (not included).

### **1. Using the Table Stand**

- a. The indoor weather station comes with the table stand already mounted. If you wish to use the table-stand all that is required is to place the indoor weather station in an appropriate location.

### **2. WALL MOUNTING**

- a. Remove the table-stand. To do this, pull down on the stand from the rear and rotate forward.
- b. Fix a screw (not included) into the desired wall, leaving approximately 3/16 of an inch (5mm) extended from the wall.
- c. Place the indoor weather station onto the screw using the hanging hole on the backside. Gently pull the indoor weather station down to lock the screw into place.

## **TROUBLESHOOTING**

**Problem:** No reception of WWVB time signal.

**Solution:** 1) Wait overnight for signal.

- 2) Be sure indoor weather station is at least 6 feet from any electrical devices, such as televisions, computers, or other radio-controlled clocks.
- 3) Remove batteries for five minutes, reinsert and leave the unit alone overnight without pressing buttons.
- 4) If there are still problems, contact La Crosse Technology

**Problem:** Hour is incorrect (minute and date are correct)

**Solution:** Be sure correct time zone and daylight saving time are selected.

**Problem:** The LCD is faint

**Solution:** 1) Set the LCD contrast to a higher number

- 2) Replace batteries

**Problem:** No outdoor temperature is displayed.

**Solution:** 1) Remove all batteries, reinsert into remote thermo/hygro sensor first, then indoor weather station.

- 2) Place remote thermo/hygro sensor closer to display.
- 3) Be sure all batteries are fresh.

***NOTE:** For problems not solved, please contact La Crosse Technology.*

## **MAINTENANCE AND CARE INSTRUCTIONS**

- Extreme temperatures, vibration, and shock should be avoided to prevent damage to the units.
- Clean displays and units with a soft, damp cloth. Do not use solvents or scouring agents; they may mark the displays and casings.
- Do not submerge in water.
- Immediately remove all low powered batteries to avoid leakage and damage.
- Opening the casings invalidates the warranty. Do not try to repair the unit. Contact La Crosse Technology for repairs.

## SPECIFICATIONS

<b>Temperature measuring range:</b>	
Indoor:	32°F to 139.8°F with 0.2°F resolution. (0°C to 59.9°C with 0.1°C resolution). “OFL” displayed if outside this range.
Outdoor:	-21.8°F to 157.2°F with 0.2°F resolution. (-29.9°C to 69.9°C resolution). “OFL” displayed if outside this range.
Relative humidity measuring range:	19% to 95% with 1% resolution. (“- -” displayed if outside this range).
Indoor Temperature checking interval:	Every 10 seconds.
Indoor Humidity checking interval:	Every 1 minute.
Outdoor Temperature and Humidity checking interval (Remote Thermo/hygro Sensor):	Every 1 minute.
Outdoor Temperature and humidity reception (Indoor Weather Station):	Every 3 minutes.
Transmission Range:	80 feet (in open space).
<b>Power Supply:</b>	
Indoor Weather Station:	2 x AA, IEC LR6, 1.5V.
Remote Thermo/hygro Sensor:	2 x AA, IEC LR3, 1.5V.
Battery life cycle:	Approximately 12 months.
Recommended battery type:	Alkaline.
<b>Dimensions (L x W x H)</b>	
Indoor Weather Station (without stand):	4.48 x 1.18 x 7.04 in (114 x 30 x 179mm).
Remote Thermo/hygro Sensor:	1.56 x 0.78 x 4.29 inches (40 x 20 x 110 mm).



## **WARRANTY INFORMATION**

La Crosse Technology, Ltd provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and used in North America and only to the original purchaser of this product. To receive warranty service, the purchaser must contact La Crosse Technology, Ltd for problem determination and service procedures. Warranty service can only be performed by a La Crosse Technology, Ltd authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to La Crosse Technology, Ltd or La Crosse Technology, Ltd's authorized service center.

La Crosse Technology, Ltd will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of La Crosse Technology, Ltd and must be returned to La Crosse Technology, Ltd. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer. La Crosse Technology, Ltd will pay all expenses for labor and materials for all repairs covered by this warranty. If necessary repairs are not covered by this warranty, or if a product is examined which is not in need of repair, you will be charged for the repairs or examination. The owner must pay any shipping charges incurred in getting your La Crosse Technology, Ltd product to a La Crosse Technology, Ltd authorized service center. La Crosse Technology, Ltd will pay ground return shipping charges to the owner of the product to a USA address only.

Your La Crosse Technology, Ltd warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (including the lack of reasonable and necessary maintenance); (2) damage occurring during shipment (claims must be presented to the carrier); (3) damage to, or deterioration of, any accessory or decorative surface; (4) damage resulting from failure to follow instructions contained in your owner's manual; (5) damage resulting from the performance of repairs or alterations by someone other than an authorized La Crosse Technology, Ltd authorized service center; (6) units used for other than home use (7) applications and uses that this product was not intended or (8) the products inability to receive a signal due to any source of interference.. This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances.

**LA CROSSE TECHNOLOGY, LTD WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT. THIS PRODUCT IS NOT TO BE USED FOR MEDICAL PURPOSES OR FOR**

PUBLIC INFORMATION. THIS PRODUCT IS NOT A TOY. KEEP OUT OF CHILDREN'S REACH.

This warranty gives you specific legal rights. You may also have other rights specific to your State. Some States do not allow the exclusion of consequential or incidental damages therefore the above exclusion of limitation may not apply to you.

For warranty work, technical support, or information contact:

La Crosse Technology  
2809 Losey Blvd. S.  
La Crosse, WI 54601  
Phone: 608.782.1610  
Fax: 608.796.1020

e-mail:

[support@lacrossetechnology.com](mailto:support@lacrossetechnology.com)

(warranty work)

[sales@lacrossetechnology.com](mailto:sales@lacrossetechnology.com)

(information on other products)

web:

[www.lacrossetechnology.com](http://www.lacrossetechnology.com)

**FCC ID: OMO-01RX (Receiver), OMO-01TX (sensor)**

**THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:**

- 1. THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND**
- 2. THIS DEVICE MUST ACCEPT INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.**